

WIPRO CAPSTONE PROJECT

HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

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I. BACKEND OF HOSPITAL MANAGEMENT SYSTEM

The screenshot shows a web browser at localhost:8761 displaying the 'System Status' page. The page is divided into two main sections: 'System Status' and 'DS Replicas'.

System Status

Environment	test	Current time	2025-09-04T16:35:04 +0530
Data center	default	Uptime	06:50
		Lease expiration enabled	true
		Renews threshold	18
		Renews (last min)	20

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - KNRRQHITAPI-GateWay:8765
APPOINTMENT-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITAppointment-service:8083
BILLING-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITbilling-service:8085
CONFIG-SERVER	n/a (1)	(1)	UP (1) - KNRRQHITConfig-Server:9095
DOCTOR-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITdoctor-service:8081
EMAIL-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITEmail-Service:8088
MEDICAL-RECORD-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITmedical-record-service:8084
PATIENT-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITpatient-service:8082
PAYMENT-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITpayment-service:8089
USER-AUTHENTICATION-SERVICE	n/a (1)	(1)	UP (1) - KNRRQHITUSER-AUTHENTICATION-SERVICE:8087

General Info

The screenshot shows a REST client interface with a POST request to `http://localhost:8765/api/auth/signup`. The request body is a JSON object:

```
{  "name": "Dr Clark Watson",  "email": "clark.watson@doctor.com",  "password": "Clark$1234",  "userRole": "DOCTOR"}
```

The response status is 201 Created. The response body is a JSON object:

```
{  "id": 17,  "name": "Dr Clark Watson",  "email": "clark.watson@doctor.com",  "password": null,  "userRole": "PATIENT"}
```

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The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8765/api/auth/signup`
- Method:** `POST`
- Request Body (JSON):**

```
{  "email": "clark.watson@doctor.com",  "password": "Clark$1234"}
```
- Status:** `200 OK`
- Time:** `324 ms`
- Size:** `735 B`
- Response Body (JSON):**

```
{  "jwt": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJyb2xiIjoieUFUSUVVVCIsInN1YiI6ImNsYXJzIiwiaWF0IjoxNzU2OTg3MzI0LCJleHAiOjE3NTc4NDQzMjR9.wNjIjIFgy5nt7SwetxYadqoKk7dCqSJZ6QilN7cckHSDhYAyda8u24Ey1Mc96-om",  "userId": 17,  "userRole": "PATIENT"}
```

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8765/api/doctor/allDoctors`
- Method:** `GET`
- Status:** `200 OK`
- Time:** `6.62 s`
- Size:** `1.03 KB`
- Response Body (JSON):**

```
{  "content": [{    "doctorId": 1,    "doctorName": "Dr. Emily Chen",    "specialization": "Cardiologist",    "contactNumber": "8677835235",    "email": "emily.chen@hospital.com"}, {    "doctorId": 2,    "doctorName": "Dr. Michael Ross",    "specialization": "Neurology",    "contactNumber": "6743324850",    "email": "michel.ross@hospital.com"}, {    "doctorId": 3,    "doctorName": "Dr. Sarah Patel",    "specialization": "Pediatrics",    "contactNumber": "7482685372",    "email": "sarah.patel@hospital.com"}],  "pageable": {    "pageNumber": 0,    "pageSize": 5,    "sort": [],    "offset": 0,    "unpaged": false,    "paged": true,    "last": true,    "totalPages": 1,    "totalElements": 3,    "size": 5,    "number": 0,    "sort": [],    "first": true,    "numberOfElements": 3,    "empty": false}
```

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REST client interface showing a GET request to `http://localhost:8765/api/doctor/getAppointments/1?page=0&size=10`. The response is a JSON array of two appointment objects.

```
1 {
2   {
3     "appointmentId": 1,
4     "patientId": 1,
5     "doctorId": 1,
6     "appointmentDate": "2025-09-01T10:00:00",
7     "status": "SCHEDULED",
8     "appointmentType": "CONSULTATION"
9   },
10  {
11    "appointmentId": 4,
12    "patientId": 2,
13    "doctorId": 1,
14    "appointmentDate": "2025-09-04T15:30:00",
15    "status": "COMPLETED",
16    "appointmentType": "CONSULTATION"
17  }
18 }
```

REST client interface showing a POST request to `http://localhost:8765/api/patients`. The request body is a JSON object for a patient named Christin Adela. The response is a JSON object with the patient's ID.

```
1 {
2   "patientName": "Christin Adela",
3   "patientAddress": "Washington",
4   "dateOfBirth": "1995-05-18",
5   "weight": 85,
6   "height": 175
7 }

1 {
2   "patientId": 4,
3   "patientName": "Christin Adela",
4   "patientAddress": "Washington",
5   "dateOfBirth": "1995-05-18",
6   "weight": 85,
7   "height": 175
8 }
```

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HTTP <http://localhost:8765/api/patients/getAppointments/3> Save </>

GET <http://localhost:8765/api/patients/getAppointments/3> Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "patientName": "Christin Adela",
3   "patientAddress": "Washington",
4   "dateOfBirth": "1995-05-18",
5   "weight": 85,
6   "height": 175
7 }
```

Body Cookies Headers (13) Test Results Status: 200 OK Time: 928 ms Size: 544 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "appointmentId": 3,
3   "patientId": 3,
4   "doctorId": 3,
5   "appointmentDate": "2025-09-03T09:30:00",
6   "status": "CANCELLED",
7   "appointmentType": "EMERGENCY"
8 }
```

HTTP <http://localhost:8765/api/appointments/update/1> Save </>

PATCH <http://localhost:8765/api/appointments/update/1> Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "patientId": 1,
3   "doctorId": 1,
4   "appointmentDate": "2025-09-01T12:00:00",
5   "status": "SCHEDULED",
6   "appointmentType": "FOLLOW_UP"
7 }
```

Body Cookies Headers (16) Test Results Status: 200 OK Time: 1247 ms Size: 631 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "appointmentId": 1,
3   "patientId": 1,
4   "doctorId": 1,
5   "appointmentDate": "2025-09-01T12:00:00",
6   "status": "SCHEDULED",
7   "appointmentType": "FOLLOW_UP"
8 }
```

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HTTP `http://localhost:8765/api/medicalrecords/getDoctor/1` Save </>

GET `http://localhost:8765/api/medicalrecords/getDoctor/1` Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "patientId": 1,
3   "doctorId": 1,
4   "appointmentDate": "2025-09-01T12:00:00",
5   "status": "SCHEDULED",
6   "appointmentType": "FOLLOW_UP"
7 }
```

Body Cookies Headers (13) Test Results Status: 200 OK Time: 716 s Size: 544 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "doctorId": 1,
3   "doctorName": "Dr. Emily Chen",
4   "specialization": "Cardiologist",
5   "contactNumber": "8677835235",
6   "email": "emily.chen@hospital.com"
7 }
```

HTTP `http://localhost:8765/api/medicalrecords/getMedicalRecord/3` Save </>

GET `http://localhost:8765/api/medicalrecords/getMedicalRecord/3` Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "patientId": 1,
3   "doctorId": 1,
4   "appointmentDate": "2025-09-01T12:00:00",
5   "status": "SCHEDULED",
6   "appointmentType": "FOLLOW_UP"
7 }
```

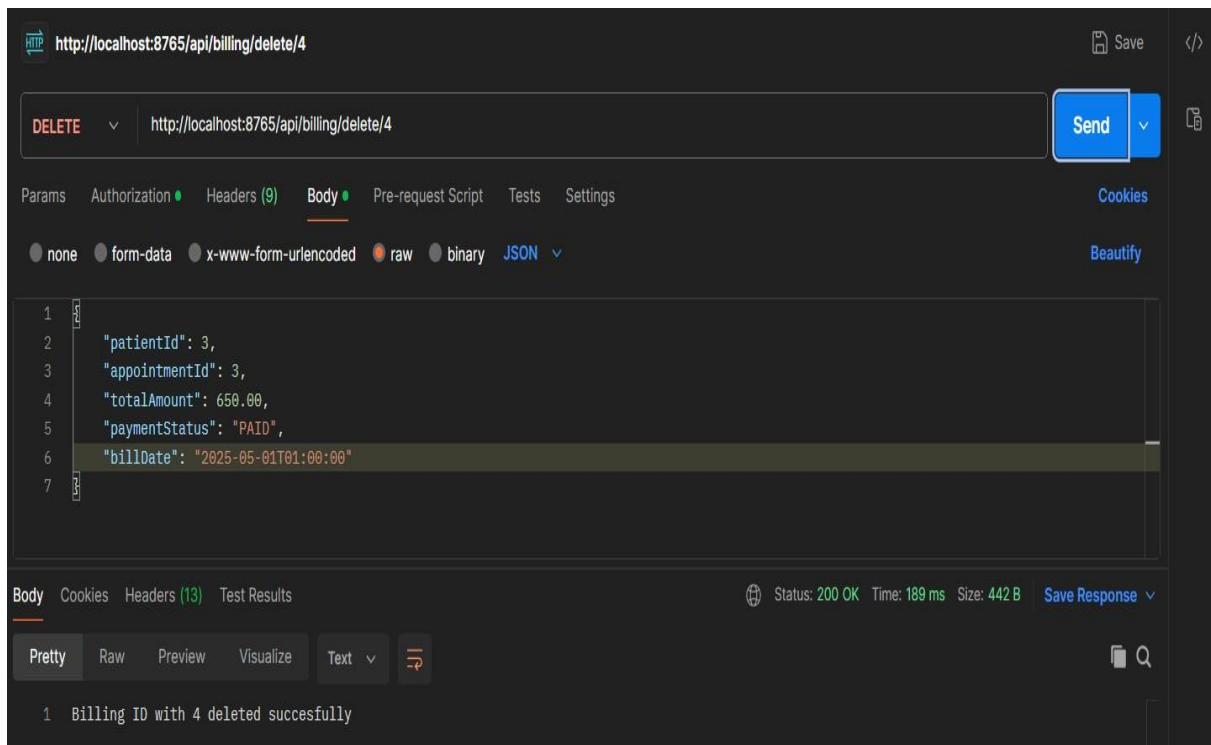
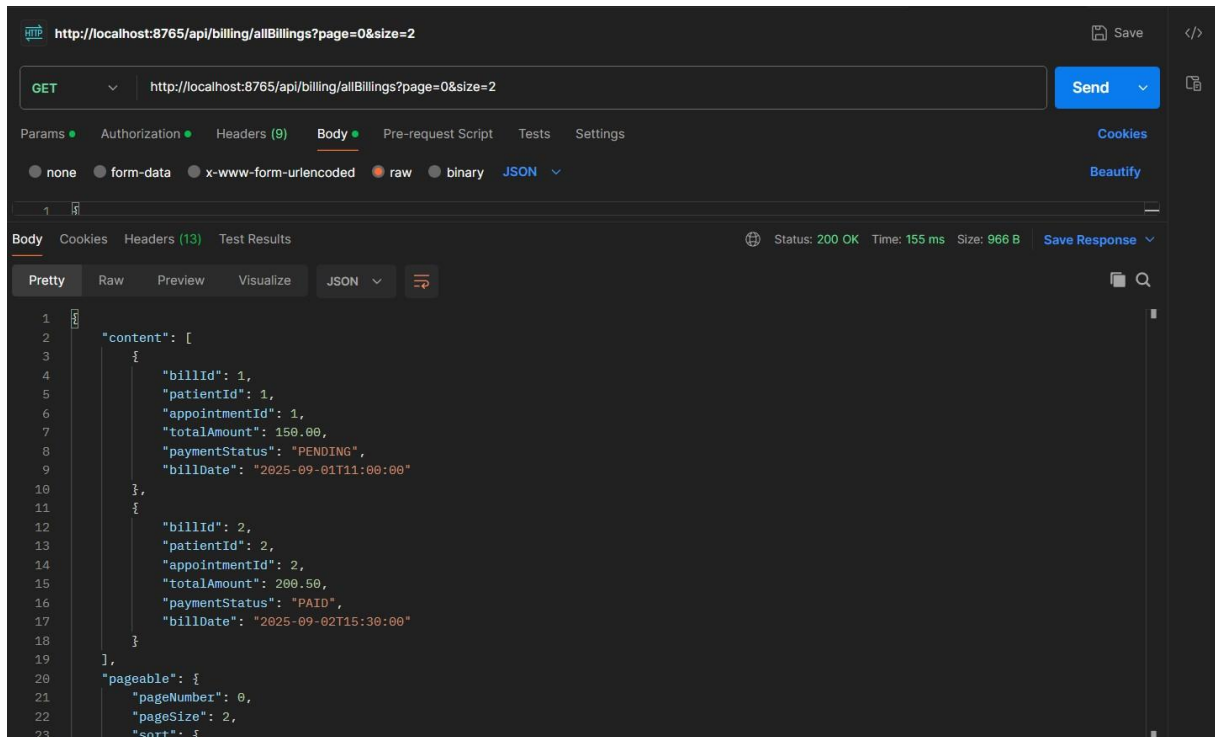
Body Cookies Headers (13) Test Results Status: 200 OK Time: 78 ms Size: 592 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "recordId": 3,
3   "patientId": 2,
4   "description": "Migraine diagnosis and treatment",
5   "doctorId": 2,
6   "treatedAt": "2025-08-25T11:40:00",
7   "medicines": [
8     "Ibuprofen",
9     "Sumatriptan"
10  ],
11   "revisit": "2025-09-25"
12 }
```

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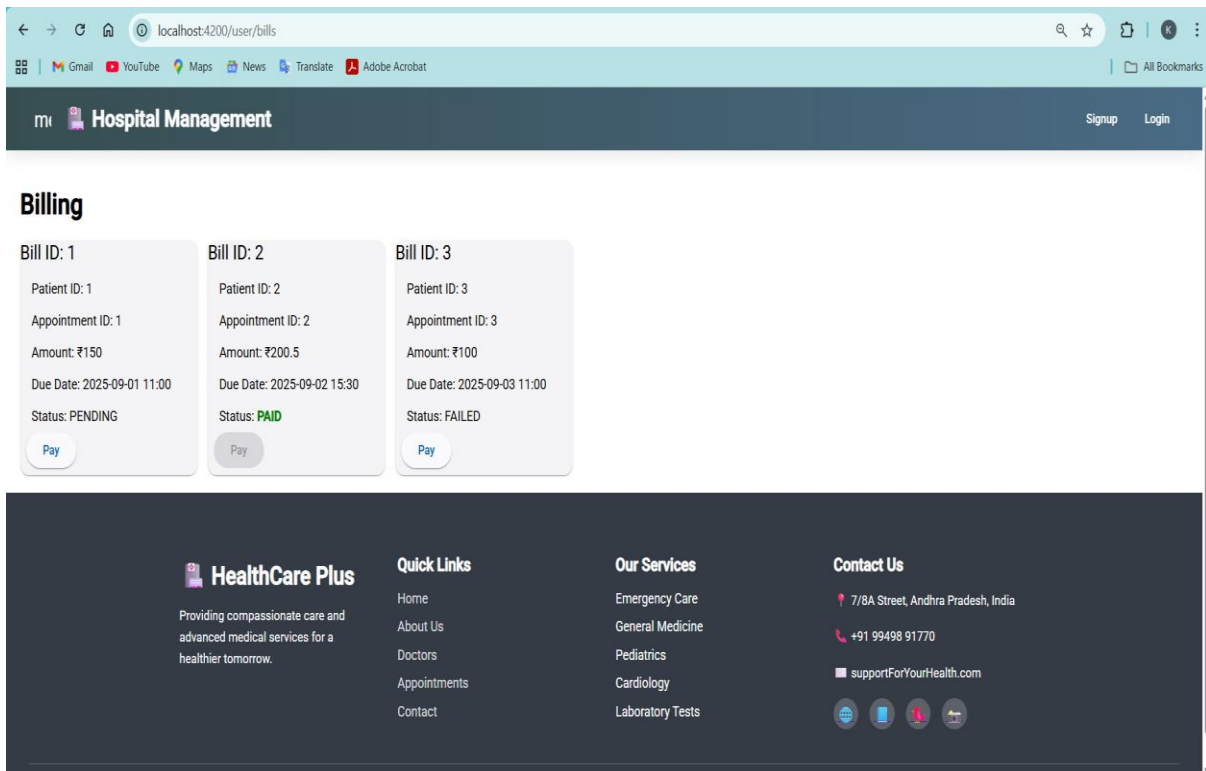
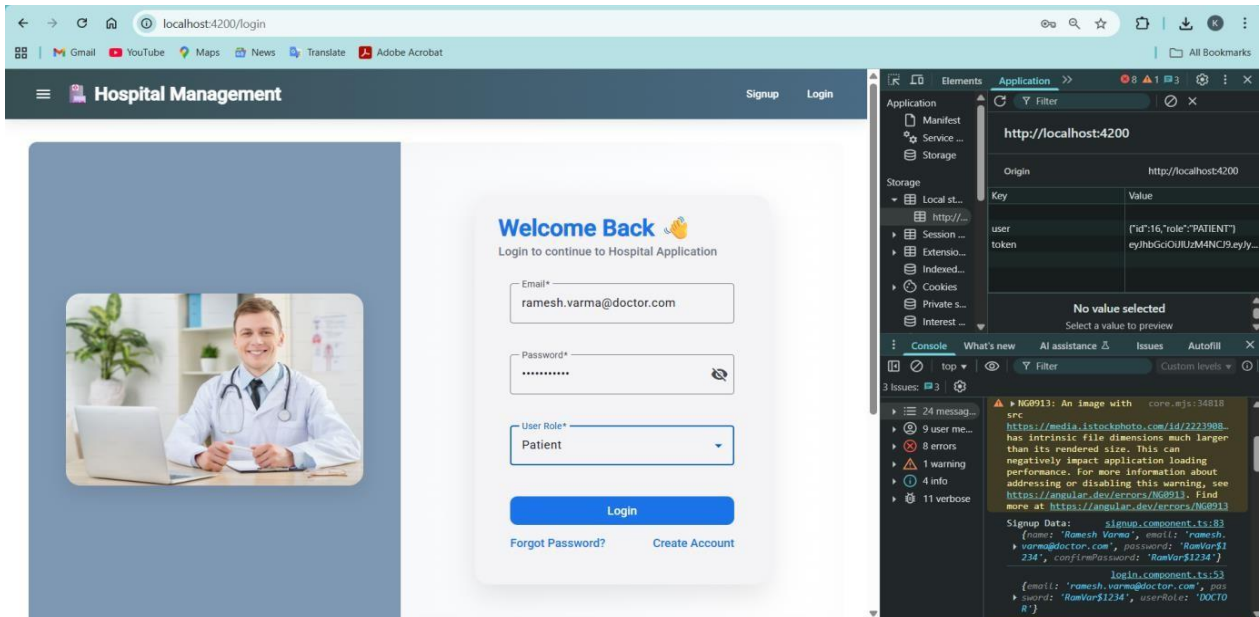
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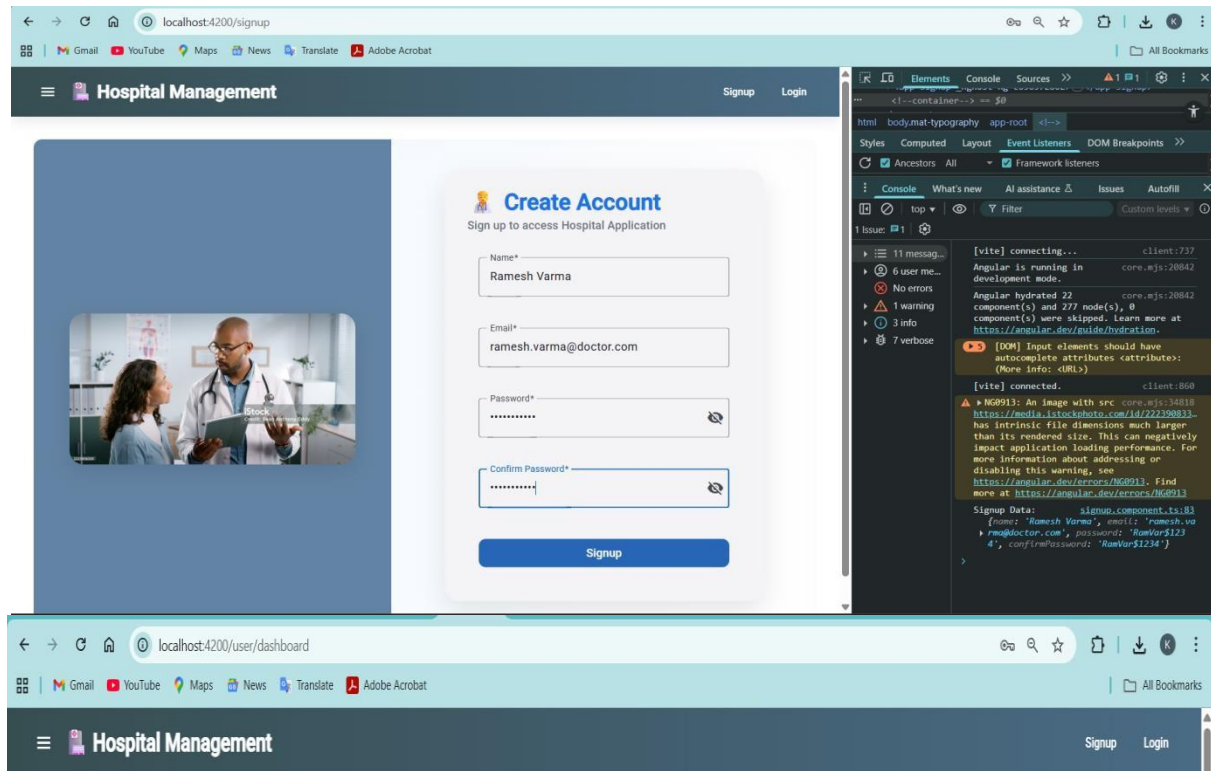
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II. FRONTEND OF HOSPITAL MANAGEMENT SYSTEM



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Complete your profile

Name*
Ramesh

Address*
ramesh@gmail.com

Date of Birth*
01-06-1987

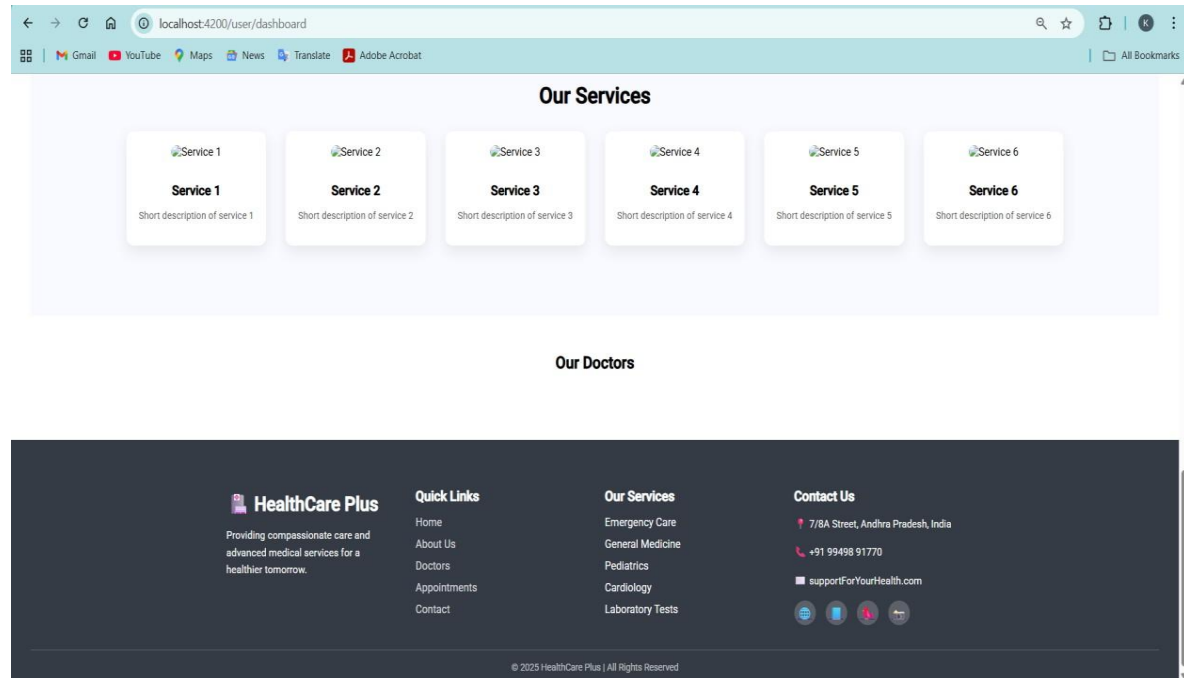
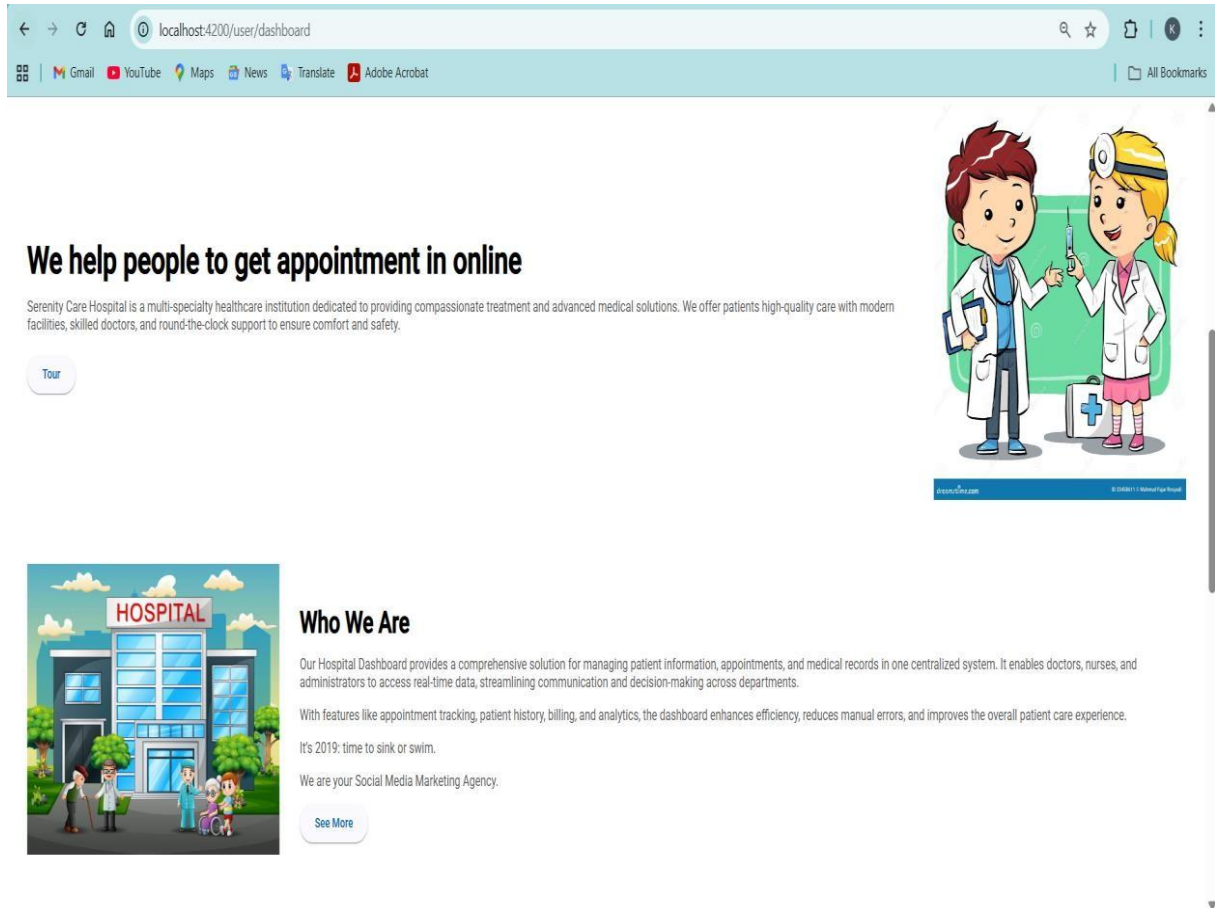
Weight (kg)*
80

Height (cm)*
175

Submit

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